

## IN THE UNITED STATES PATENT &amp; TRADEMARK OFFICE

APPLICANT : JASON PETER BROWN, ET AL. EXAMINER : M. PAK  
SERIAL NO. : 09/397,548 ART UNIT : 1646  
FILED : SEPTEMBER 16, 1999 PAPER NO : 10  
FOR : PORCINE ALPHA2DELTA-1 CALCIUM CHANNEL SUBUNIT cDNA  
AND SOLUBLE SECRETED ALPHA2DELTA-1 SUBUNIT  
POLYPEPTIDES

AMENDMENT AND RESPONSE

January 28, 2002

Commissioner for Patent  
Washington, D.C. 20231

Dear Sir:

This paper is responsive to the Office Action dated August 13, 2001. Please enter the amendments set forth below. No new matter is introduced by way of this submission. Reconsideration of the captioned application in light of these amendments and the following remarks is respectfully requested.

IN THE CLAIMS:

~~Please cancel claims 1-13.~~

Please amend claim 14 as follows:

a) 14) (Amended) A purified or isolated recombinant polypeptide comprising an amino acid sequence having at least 80% amino acid identity with a polypeptide having an amino acid sequence from amino acid 1 to between amino acids 985 and 1054 of the amino acid sequence of SEQ ID NO:14; wherein said purified or isolated recombinant polypeptide is a soluble secreted  $\alpha_2\delta$ -1 subunit polypeptide.

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